SUBSTITUTE ABSTRACT

Arrangements and methods are proposed which provide a simple way to enable applications based on Internet Protocol Version 4 to access new transport services and security services provided in Internet Protocol Version 6 or IPsec as well. To do this, a mapping unit which is used to map data existing in a first protocol format onto data which can be processed by a second network layer. The second network layer codes the data supplied to the second network layer by the mapping unit such that a second Internet Protocol format, e.g. IPv6, IPsec, is implemented.